

1639 \$

PATENT

Application Docket No.: A-70203/RMS/RMK/JML
Attorney File No.: 469008-137

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHOONG et al.

Serial No. 09/652,284

Filing Date: August 31, 2000

For: *Addressable Array for High Density
Electrical and Electrochemical
Detection of Biomolecules*

Examiner: Tran, My Chau T.

Group Art Unit: 1639

#18
Supp
6-3-04

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450:

Dated: February 13, 2004

Signed: 
Brent Yonchura

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
AND
STATEMENT OF RELATEDNESS

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/8A. Copies of these references are enclosed.

Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

02/13/2004 SPONSORING 00000002 07500004

01 07/10/00

000000 07

1. U.S.S.N. 09/306,749, filed May 7, 1999; U.S.S.N. 10/279,742, filed October 23, 2002;
2. U.S.S.N. 08/873,978, filed June 12, 1997;
3. U.S.S.N. 09/557,577, filed April 21, 2000; U.S.S.N. 10/236,481, filed September 5, 2002;
4. U.S.S.N. 08/873,597, filed June 12, 1997;
5. U.S.S.N. 10/241,376, filed September 11, 2002;
6. U.S.S.N. 09/096,593, filed June 12, 1998;
7. U.S.S.N. 09/440,371, filed November 12, 1999; U.S.S.N. 09/520,477, filed March 8, 2000; and U.S.S.N. 09/712,792, filed November 13, 2000;
8. U.S.S.N. 09/245,105, filed January 27, 1999;
9. U.S.S.N. 09/760,384, filed January 11, 2001; U.S.S.N. 09/993,342, filed November 5, 2001; and U.S.S.N. 10/412,660, filed April 11, 2003;
10. U.S.S.N. 10/259,532, filed September 27, 2002;
11. U.S.S.N. 10/149,319, filed February 28, 2003;
12. U.S.S.N. 09/506,178, filed February 17, 2000; U.S.S.N. 10/203,874, filed August 13, 2002; and U.S.S.N. 10/226,639, filed August 23, 2002;
13. U.S.S.N. 09/572,187, filed May 17, 2000; and
14. U.S.S.N. 09/590,964, filed June 9, 2000.

None of the foregoing references are believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the

Serial No. 09/652,284
Filing Date: August 31, 2000

reference constitutes prior art against the invention claimed in the above identified application.

Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. §1.97(c), enclosed is a check in the amount of \$180.00 as set forth in 37 C.F.R. §1.17(p). While no additional fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 469008-137 [A-70203/RMS/RMK/JML]).

Dated: 2/13/04

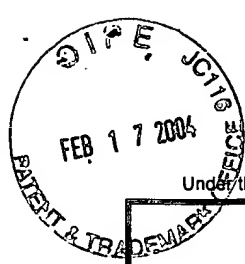
Customer Number: 32940
Dorsey & Whitney LLP
Intellectual Property Department
Four Embarcadero Center, Suite 3400
San Francisco, CA 94111-4187
Telephone: (415) 781-1989
Facsimile: (415) 398-3249

Attachments : Form PTO/SB/8A, Substitute for form 1449
143 cited references
Return Postcard
Check for \$180.00

Respectfully submitted,
DORSEY & WHITNEY LLP

BY: Jennifer M. Lane

Jennifer M. Lane, Reg. No. 51,916
Patent Agent for
Robin M. Silva, Reg. No. 38,304
Filed Under 37 C.F.R. § 1.34(a)



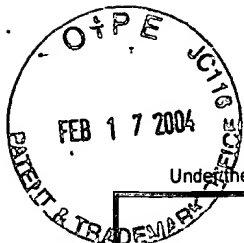
Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/652,284	
			Filing Date	August 31, 2000	
			First Named Inventor	CHOONG, Vi-En	
			Group Art Unit	1639	
Examiner Name	TRAN, My Chau T.				
Sheet	1	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-137)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	3,934,209	01-20-1976	Valentine et al.	
	A2	4,656,127	04-07-1987	Mundy	
	A3	4,683,195	07-28-1987	Mullis et al.	
	A4	4,713,347	12-15-1987	Mitchell et al.	
	A5	4,839,017	06-13-1989	Taniguchi et al.	
	A6	4,920,047	04-24-1990	Giaever et al.	
	A7	4,988,617	01-29-1991	Landegren et al.	
	A8	4,995,960	02-26-1991	Wiles et al.	
	A9	5,001,048	03-19-1991	Taylor et al.	
	A10	5,108,573	04-28-1992	Rubinstein et al.	
	A11	5,126,034	06-30-1992	Carter et al.	
	A12	5,192,507	03-09-1993	Taylor et al.	
	A13	5,202,261	04-13-1993	Musho et al.	
	A14	5,328,847	07-12-1994	Case et al.	
	A15	5,486,335	01-23-1996	Wilding et al.	
	A16	5,498,392	03-12-1996	Wilding et al.	
	A17	5,505,321	04-09-1996	Caron et al.	
	A18	5,519,635	05-21-1996	Miyake et al.	
	A19	5,534,424	07-09-1996	Uhlen et al.	
	A20	5,540,828	07-30-1996	Yacynych	
	A21	5,547,839	08-20-1996	Dower et al.	
	A22	5,554,339	09-10-1996	Cozzette et al.	
	A23	5,585,069	12-17-1996	Zanzucchi et al.	
	A24	5,587,128	12-24-1996	Wilding et al.	
	A25	5,589,136	12-31-1996	Northup et al.	
	A26	5,605,662	02-25-1997	Heller et al.	
	A27	5,632,957	05-27-1997	Heller et al.	
	A28	5,662,787	09-02-1997	Guttman et al.	
	A29	5,710,028	01-20-1998	Eyal et al.	
	A30	5,728,532	03-17-1998	Ackley	
	A31	5,776,672	07-07-1998	Hashimoto et al.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1



Substitute PTO/SB/8A (08-03)

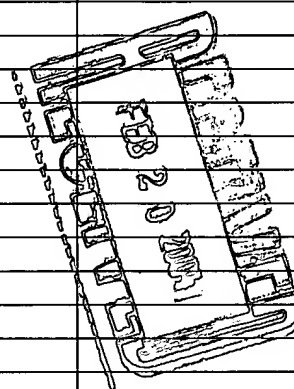
Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/652,284		
		Filing Date	August 31, 2000		
		First Named Inventor	CHOONG, Vi-En		
		Group Art Unit	1639		
		Examiner Name	TRAN, My Chau T.		
Sheet	2	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-137)

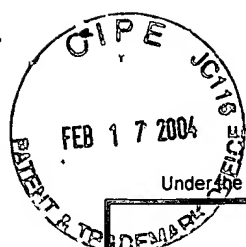
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A32	5,787,032	07-28-1998	Heller et al.	
	A33	5,835,404	11-10-1998	Heller et al.	
	A34	5,849,489	12-15-1998	Heller	
	A35	5,866,345	02-02-1999	Wilding et al.	
	A36	5,871,633	02-16-1999	Greenblatt et al.	
	A37	5,925,520	07-20-1999	Tully et al.	
	A38	5,929,208	07-27-1999	Heller et al.	
	A39	5,952,172	09-14-1999	Meade et al.	
	A40	5,965,452	10-12-1999	Kovacs	
	A41	5,972,199	10-26-1999	Heller et al.	
	A42	5,981,268	11-09-1999	Kovacs et al.	
	A43	6,013,166	01-11-2000	Heller	
	A44	6,048,690	04-11-2000	Heller et al.	
	A45	6,048,692	04-11-2000	Maracas et al.	
	A46	6,067,246	05-23-2000	Heller et al.	
	A47	6,068,818	05-30-2000	Ackley et al.	
	A48	6,071,394	06-06-2000	Cheng et al.	
	A49	6,071,699	06-06-2000	Meade et al.	
	A50	6,087,100	07-11-2000	Meade et al.	
	A51	6,099,803	08-08-2000	Ackley et al.	
	A52	6,100,045	08-08-2000	Van Es	
	A53	6,110,354	08-29-2000	Saban et al.	
	A54	6,129,828	10-10-2000	Sheldon et al.	
	A55	6,132,683	10-17-2000	Sugihara et al.	
	A56	6,136,533	10-24-2000	Bekkaoui et al.	
	A57	6,162,603	12-19-2000	Heller	
	A58	6,168,948 B1	01-02-2001	Anderson et al.	
	A59	6,177,250 B1	01-23-2001	Meade et al.	
	A60	6,180,352 B1	01-30-2001	Meade et al.	
	A61	6,200,761 B1	03-13-2001	Meade et al.	
	A62	6,207,373 B1	03-27-2001	Sosnowski et al.	



Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1



Substitute PTO/SB/8A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/652,284		
		Filing Date	August 31, 2000		
		First Named Inventor	CHOONG, Vi-En		
		Group Art Unit	1639		
		Examiner Name	TRAN, My Chau T.		
Sheet	3	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-137)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A63	6,225,059 B1	05-01-2001	Ackley et al.	
	A64	6,238,870 B1	05-29-2001	Meade et al.	
	A65	6,238,909 B1	05-29-2001	Choong et al.	
	A66	6,245,508 B1	06-12-2001	Heller et al.	
	A67	6,249,784 B1	06-19-2001	Macke et al.	
	A68	6,254,827 B1	07-03-2001	Ackley et al.	
	A69	6,258,593 B1	07-10-2001	Schembri et al.	
	A70	6,258,606 B1	07-10-2001	Kovacs	
	A71	6,268,149 B1	07-31-2001	Meade et al.	
	A72	6,268,150 B1	07-31-2001	Meade et al.	
	A73	6,277,576 B1	08-21-2001	Meade et al.	
	A74	6,284,117 B1	09-04-2001	Smolko et al.	
	A75	6,287,517 B1	09-11-2001	Ackley et al.	
	A76	6,300,141 B1	10-09-2001	Segal et al.	
	A77	6,303,082 B1	10-16-2001	John et al.	
	A78	6,306,348 B1	10-23-2001	Havens et al.	
	A79	6,309,601 B1	10-30-2001	Juncosa et al.	
	A80	6,309,602 B1	10-30-2001	Ackley et al.	
	A81	6,315,953 B1	11-13-2001	Ackley et al.	
	A82	6,319,472 B1	11-20-2001	Ackley et al.	
	A83	6,331,274 B1	12-18-2001	Ackley et al.	
	A84	6,375,899 B1	04-23-2002	Ackley et al.	
	A85	6,379,897 B1	04-30-2002	Weidenhammer et al.	
	A86	6,385,080 B1	05-07-2002	Heller et al.	
	A87	6,395,493 B1	05-28-2002	Sosnowski et al.	
	A88	2001/0034033 A1	10-25-2001	Meade et al.	
	A89	2002/0033345 A1	03-21-2002	Meade	
	A90	2003/0003473 A1	01-02-2003	Kayyem et al.	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1



Substitute PTO/SB/8A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/652,284	
			Filing Date	August 31, 2000	
			First Named Inventor	CHOONG, Vi-En	
			Group Art Unit	1639	
			Examiner Name	TRAN, My Chau T.	
Sheet	4	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-137)

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ³ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	EP 0 213 825 A2	03-11-1987	Molecular Devices Corporation		
	B2	EP 0 226 470 A2	06-24-1987	Unilever PLC		
	B3	EP 0 238 166	09-23-1987	Nippon Paint Co. Ltd.		
	B4	EP 0 372 911 A2(A3)	06-13-1990	Chirana Zavody Zdravotnicke		
	B5	EP 0 543 550 A1	05-26-1993	Houston Advanced Research Center		
	B6	EP 0 637 996 B1	02-15-1995	Trustees of University of Pennsylvania		
	B7	EP 0 637 998 B1	02-15-1998	Trustees of University of Pennsylvania		
	B8	WO 93/16383 A1	08-19-1993	Scientific Generics Ltd.		
	B9	WO 95/29199 A1	11-02-1995	Bio Merieux		
	B10	WO 96/06946 A1	03-07-1996	Igen Inc.		
	B11	WO 96/15450 A1	05-23-1996	David Sarnoff Research Center		
	B12	WO 96/15576 A1	05-23-1996	David Sarnoff Research Center		
	B13	WO 96/39252 A1	12-12-1996	David Sarnoff Research Center		
	B14	WO 96/39260 A1	12-12-1996	David Sarnoff Research Center		
	B15	WO 97/16561 A1	05-09-1997	David Sarnoff Research Center		
	B16	WO 97/27324 A1	07-31-1997	David Sarnoff Research Center		
	B17	WO 97/37755 A1	10-16-1997	Sarnoff Corporation		
	B18	WO 97/43629 A1	11-20-1997	Sarnoff Corporation		
	B19	WO 98/05424 A1	02-12-1998	Caliper Technologies Corporation		
	B20	WO 98/13683 A1	04-02-1998	Sarnoff Corporation		
	B21	WO 98/49557 A1	11-05-1998	B-E Safe Inc.		
	B22	WO 98/54294 A1	12-03-1998	Trustees of the Leland Stanford Jr. University		
	B23	WO 99/07879 A1	02-19-1999	University of Southern California		
	B24	WO 99/15893 A1	04-01-1999	Aventis Research and Technologies		
	B25	WO 99/18242 A1	04-15-1999	Motorola Inc.		
	B26	WO 99/26729 A1	06-03-1999	Université de Montréal		
	B27	WO 99/33559 A1	07-08-1999	Cepheid		
	B28	WO 00/16089 A2(A3)	03-23-2000	Clinical Micro Sensors		

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1



Substitute PTO/SB/8A (08-03)

Approved for use through 7/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/652,284		
		Filing Date	August 31, 2000		
		First Named Inventor	CHOONG, Vi-En		
		Group Art Unit	1639		
		Examiner Name	TRAN, My Chau T.		
Sheet	5	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-132)

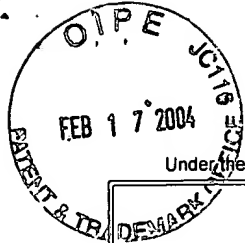
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B29	WO 00/38836 A1	07-06-2000	Clinical Micro Sensors		
	B30	WO 00/77523 A1	12-21-2000	Motorola Inc.		
	B31	WO 01/42508 A2	06-14-2001	Motorola Inc.		
	B32	WO 01/43870 A2	06-21-2001	Motorola Inc.		
	B33	WO 01/50131 A1	07-12-2001	Motorola Inc.		
	B34	WO 01/57533 A2	08-09-2001	Motorola Inc.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C1	BARD, A., et al. (eds.), "Controlled-Current Techniques," <i>Electrochemical Methods</i> , pp. 316-353, John Wiley & Sons, Inc.: New York, NY (2001).	
	C2	BEATTIE, K., et al., "Genosensor Technology", <i>Clin. Chem.</i> 39(4):719-722 (1993).	
	C3	BIDAN, G., et al., "Conducting Polymers as a link between biomolecules and microelectronics," <i>Synthetic Metals</i> 102(1-3):1363-1365 (Jun. 1999) (Abstract).	
	C4	DESIMONI, E., et al., "A polypyrrole-coated, piezoelectric sensor for Cr ^{VI} . Preliminary results," <i>Anal. Commun.</i> 36(2):45-46 (Feb. 1999).	
	C5	DICESARE, J., et al., "A High-Sensitivity Electrochemiluminescence-Based Detection System for Automated PCR Product Quantification," <i>BioTechniques</i> 15(1):152-157 (1993).	
	C6	GARNER, B., et al., "Polypyrrole-heparin composites as stimulus-responsive substrates for endothelial cell growth," <i>J. Biol. Materials Res.</i> 44(2):121-129 (Feb. 1999).	
	C7	GUSCHIN, D., et al., "Oligonucleotide Microchips as Genosensors for Determinative and Environmental Studies in Microbiology," <i>Applied Environ. Microbiol.</i> 63(6):2397-2402 (Jun. 1997).	
	C8	IHARA, T., et al., "Ferrocene-oligonucleotide conjugates for electrochemical probing of DNA," <i>Nucleic Acids Res.</i> 24(21):4273-4280 (Nov. 1996).	
	C9	KWOK, C., et al., "Surface Modification with Polymers with Self-Assembled Molecular Structures: Multitechnique Surface Characterization," <i>Biomacromolecules</i> 1(1):139-148 (Spr. 2000).	
	C10	LIVACHE, T., et al., "Biosensing effects in functionalized electroconducting conjugated polymer layers: addressable DNA matrix for the detection of gene mutations," <i>Synthetic Metals</i> 71(3):2143-2146 (1995).	
	C11	LIVACHE, T., et al., "Polypyrrole DNA Chip on a Silicon Device: Example of Hepatitis C Virus Genotyping," <i>Anal. Biochem.</i> 255(2):188-194 (Sep. 1998).	
	C12	MILLAN, K., et al., "Sequence-Selective Biosensor for DNA Based on Electroactive Hybridization Indicators," <i>Anal. Chem.</i> 65(17):2317-2323 (Sep. 1993).	

Examiner Signature	Date Considered
--------------------	-----------------

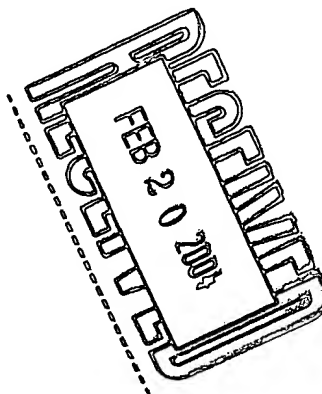
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1



Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/652,284	
			Filing Date	August 31, 2000	
			First Named Inventor	CHOONG, Vi-En	
			Group Art Unit	1639	
			Examiner Name	TRAN, My Chau T.	
Sheet	6	of	6	Attorney Docket Number	A-70203/RMS/RMK/JML (469008-137)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	C13	PÉREZ, F., et al., "Immunomagnetic Separation with Mediated Flow Injection Analysis Amperometric Detection of <i>Escherichia coli</i> 0157," <i>Anal. Chem.</i> 70(11):2380-2386 (Jun. 1998).		
	C14	PREZYNA, L., et al., "Interaction of Cationic Polypeptides with Electroactive Polypyrrole/Poly(Styrene Sulfonate) and Poly(N-Methylpyrrole)/Poly(Styrenesulfonate) Films," <i>Synthetic Metals</i> , 41(3):979-981 (1991).		
	C15	SARGENT, A., et al., "The Electrochemistry of Antibody-Modified Conducting Polymer Electrodes," <i>J. Electroanalytical Chem.</i> 470(2):144-156 (Jul. 1999).		
	C16	SAWYER, D.T., et al. (eds.), "Reference Electrodes for Use in Aqueous Solutions," <i>Electrochemistry for Chemists</i> , 2 nd ed., pp.188-189, John Wiley & Sons, Inc.: New York, NY (1995).		
	C17	TURYAN, I., et al., "Patterning and Characterization of Surfaces with Organic and Biological Molecules by the Scanning Electrochemical Microscope," <i>Anal. Chem.</i> 72(15):3431-3435 (Aug. 2000).		
	C18	ULMAN, A., et al., "Self-assembled monolayers of rigid thiols," <i>Rev. Molecular Biotechnol.</i> 74(3):175-188 (2000).		
	C19	YANG, M., et al., "Genosensor technology and the detection of interfacial nucleic acid chemistry," <i>Anal. Chim. Acta.</i> 346(3):259-275 (Jul. 1997).		



Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2.0 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 1128980_1